

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for preparing a yeast extract solution for cell-free protein synthesis, said method comprising:

freezing yeast cells to obtain frozen yeast cells;

rupturing said frozen yeast cells to obtain ruptured frozen yeast cells;

extracting said ruptured frozen yeast cells with a buffered solution for extraction containing a protease inhibitor and dithiothreitol to obtain an extract solution a liquid containing a yeast extract; and

after said extraction, removing residue of the yeast cells and intracellular components having a molecular weight of not more than 5,000 from said extract solution liquid containing the yeast extract to obtain an extract solution containing yeast-derived extract; and

concentrating the resulting solution said extract solution containing the yeast-derived extract to obtain the yeast extract solution capable of for cell-free protein synthesis, wherein said concentrated yeast extract solution for cell-free protein synthesis has an absorbance at 280 nm of 35-100.

2. (Previously presented) The method of claim 1, wherein the yeast cells are frozen with liquid nitrogen.

3. (Previously presented) The method of claim 1, wherein the yeast cells are ruptured by mashing in a mortar with a pestle.

4-9. (Cancelled)

10. (Currently amended) The method of claim 1, wherein said yeast extract solution ~~capable of~~ for cell-free protein synthesis contains the ~~extract obtained from yeast cells~~ yeast-derived extract in a proportion of 1 mg/mL - 200 mg/mL in a protein concentration, together with 1 mM - 500 mM of potassium acetate, 0.01 mM - 10 mM of magnesium acetate, 0.01 mM - 10 mM of ~~DTT~~ dithiothreitol, 1 μ M - 50 mM of ~~PMSF~~ phenylmethanesulfonyl fluoride and 5 mM - 200 mM of ~~HEPES~~ 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES)-KOH (pH 6-8).

11-12. (Canceled)